Camp Edwards Small Arms Range Working Group Range Inspection Form J RANGE

Date of Inspection:	_06-14-11			
Name of Inspector:	_Jane Dolan	1		_
Organization:	_U.S. EPA_			
Signature of Inspector:				
Unit Utilizing Range: N/A		Component:		Wind Direction:
		1		
Number of Personnel Utilizing Range	e:	1	Weathe	r: misty
Range Hot Time:	Range Cold	d Time: Air Ten		nperature:
Unit POC Name/Rank:		Range Control POC Name/Rank:		
1100				
Inspector time arrived on range: 1100	ra	spector time departed nge: 1230		
FIRING LANES USED DURING T	RAINING			
(circle the lanes used TANGO Range: 1 2	3 4 5 6	7 8 9 10 11 12	13 14 1	15 16 17 18 19 20
WEAPONS SYSTEMS:		TYPE OF AMMUNIT	ION:	NUMBER EXPENDED:

A. General Condition of Facility: Check one for each

	good	Fair	poor	comments
Entrance	Χ			
Tower	Χ			
Bleachers	Χ			
Target				
frames	Χ			
Firing line	Χ			
Pavilion	Χ			
Shed	Χ			
Parking				
areas	Χ			

Tower	Χ					
Bleachers	Χ					
Target						
frames	X					_
Firing line	X					_
Pavilion	X					_
Shed	Х					_
Parking	Х					
areas	٨					_
Circle one ans						X NO YES
If yes, describe	e extent an	d location:				
b) Are all con spillage? If no, describe				or liquid clea	aners properly	v secured to prevent N/A NO YES
				or transport	ed to the Ran	ge Control waste
storage area	for tempo	rary stora	ge?			N/A NO YES
d) Any signs	of stresse	d vegetati	on?			X NO YES

2. Do the sand boxes and sand bags in front of target frame fully cover / protect the base of the bullet trap system?

X NO YES

There are significant holes in the top of the sand box in lanes 3 and 5. It is recommended that these holes be repaired, and the top of the sand boxes weatherized to deflect water. Sand appears to be leaking from the bottom of the sand boxes in lanes 1, 5 and 8.

(Look for skewed boxes or gaps between the boxes not addressed by sand bags which may allow bullets to damage the bottom frame of STAPP.)

If no, please describe:

3. Does the density of bullets in the face of the sand boxes pose a ricochet hazard? X NO YES

(Check if present condition of sand boxes would cause ricochet of fired bullets.) If yes, please describe condition and location of sand box:

The density of bullets in the face of the sand boxes cannot be determined; however, there do not appear to be many impact holes. It is recommended that the sand within the sand boxes be screened for projectiles – either upon rehabilitation of the sand boxes or upon reaching 500,000 rounds fired to gage the number of and condition of the projectiles.

4. Any tears or holes in the surface of sand box tarps?

NO YES

N/A

Inspect the tarps covering each sand box.

Look for holes or tears in the covering that would allow rain to wet the sand within the frame. If yes, please describe condition and location of sand box:

There are significant tears and holes in the sand box tarps. It is recommended that the tarps be replaced.

5. Any signs of non-compliance with EPS?

NO YES

If yes, describe possible issues:

See comments above

6. Any signs of non-compliance with either EPA or EMC plan approval conditions?
NO YES

If yes, describe possible issues:

See comments abo e

B. Erosion: Circle one and indicate on the range sketch below

1. Firing Positions:

X NONE

MODERATE

SEVERE

If moderate or severe, please describe:

2. Berm/Backstop:

X NONE

MODERATE

SEVERE

If moderate or severe, please describe:

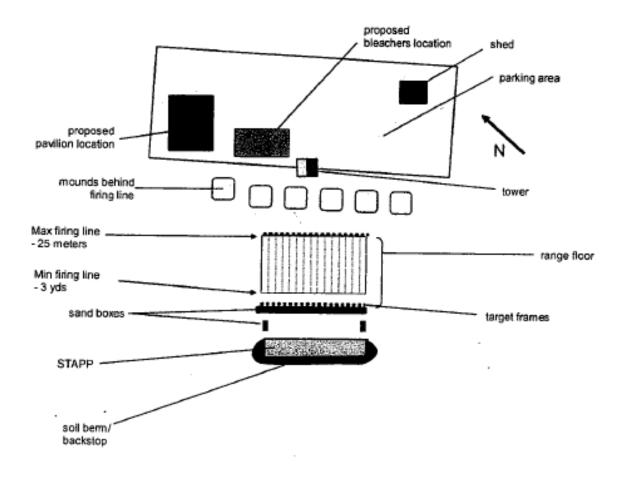
3. Range Floor:

X NONE

MODERATE

SEVERE

If moderate or severe, please describe:



C. Vegetation: circle one

	Pei	<u>rcent Vegetative C</u>	<u>soverage</u>
Mounds behind firing line	0-25%	26-50%	X 51-100%
Soil berm/backstop	0-25%	26-50%	X 51-100%
Range floor	0-25%	26-50%	X 51-100%

1. Please note any need for revegetation:

There is sparse vegetation.

D. Range visual inspection:

1. Is the cover in need of repair?

NO X YES

Look for any portion of the cover where the black rubber granular material is visible.

Black rubber granular material is not visible. However, due to the accumulation rate of water in the STAPP reservoir replacement of the membrane should be considered.

If yes, is the hole, rip or tear in the bottom one foot of STAPP?

NO YES





GOOD condition:Some dimpling of surface, but no black rubber granular material is visible

POOR condition:Any holes in the surface where the black rubber granular material is visible

2. Is there any separation of the cover seams greater than 1 inch in length?

NO YES

If yes, is the location in the bottom one foot of STAPP™?

NO YES

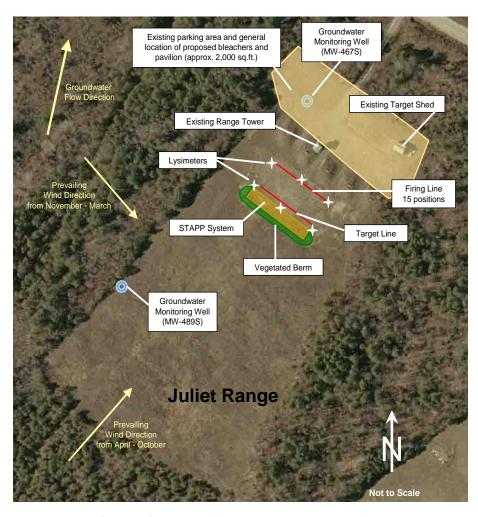
Detailed inspection not conducted.

3. Is there any separation of the cover seams greater than 6 inches in len	gth? NO YES
If yes, please describe location:	
Detailed inspection not conducted.	
4. Any significant irregular settling or bulging of granular rubber material?	X NO YES
If yes, please describe:	
5. Is the synthetic lumber framing in good condition?	NO X YES
If no, please describe:	
6. Any signs of over/undershot or shots off to the side of STAPP?	NO X YES
If yes, please describe:	
There are both signs of over and undershot. It is recommended that the and undershot be recorded at some frequency. BMPs may need to be m depending on the results of over and undershot monitoring.	
7. Any ponding of water on top of the cover?	X NO YES
If yes, please describe extent and location:	
8. Is there indications of more than 2 inches of water in the reservoir?	NO X YES
Five inches measured.	
9. Was any smoke released from the STAPP™ during firing?	NO YES
If yes, please describe:	
N/A	

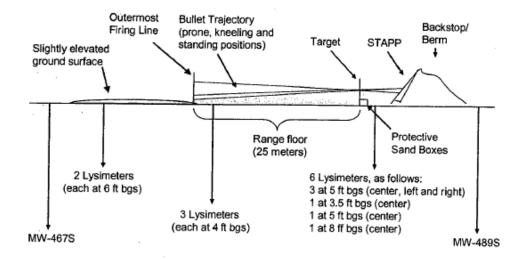
10. Any liquid seeping from the STAPP™ system?	X NO	YES
If yes, please describe:		
11. Are the wooden barriers above the STAPP™ system, on the berm, in for the length of STAPP and at least 36 inches in height?	place NO X	YES
If no, please describe:		
12. Are the covers of the monitoring wells and lysimeters secure?	NO >	YES
If no, please describe:		
13. Has all ammunition or expended brass been policed and removed?	NOX	YES
Bullet trap detailed inspection when cover is removed Not cor	nducte	ed
TILL 4 1 4 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
This is the inspection is to be completed by Camp Edwards personnel 3 times per the fourth week of March before training begins, in the fourth week of July during and in the fourth week of October once peak training period is completed.		
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4. Complete the photo log at the end of this form, documenting site feature log. Photos should be taken of the firing line, the soil berm, bullet contains and range floor. Note any field observations on the log.		
5. Notes regarding need for repair and maintenance:		
STAPP™ internal inspection Not conducted Conducted after 500,000 rounds have been fired on T Range or every 3 years, whichever occurs first. At that time, all of the granular rubber material is removed		
1. Is the water collection unit in good condition?	NO	YES
Look for any holes, punctures, or leaks in the piping which would allow water to be ground surface. If no, please describe:	e rele	eased to
2. Any perforations of the impermeable liner?	NO	YES
Inspect the liner for any holes, rips, punctures, or seam failures.		
If yes, please describe:		

Notes regarding need for repair, maintenance and/or design or operational changes:



Lateral View of Tango Range



Key:

Multiple firing distances in range floor maximum distance is 25 meters from target (Outermost firing line) minimum distance is 3 yards from target

Photo Log:

Photo no:	Date:	
Location: Firing line		
Range:		
		Place photo here
Description:		
Description.		

Version 7-1-08

Photo no:	Date:	
Location:		
Soil Berm		
Range:		
italige.		
		Place photo here
		I lass photo note
Description:		
Photo no:	Date:	
	2 0.101	
Location:		
Bullet Containment		
System		
Range:		
rtange.		
		Place photo here
		r ideo prioto noro
Description:		

Version 7-1-08

Photo no:	Date:	
Location: Range Floor		
Range:		Place photo here
Description:		